

ABSTRACT OF THE DISCLOSURE

A controller 7A for generating a drive signal PS for switching control of a switching element in a switching power supply, includes a duty ratio generator 10, 11 for detecting a duty ratio D of the drive signal PS for controlling the switching element of the switching power supply, and generating a signal corresponding to the duty ratio; a control signal generator 13, 14 for generating a control signal CS on the basis of a difference between a target voltage  $V_{REF}$  in the switching power supply and an output voltage  $V_o$  detected in the switching power supply; an operation unit 15 for generating a signal corresponding to a product of the signal corresponding to the duty ratio, and the control signal CS; and a drive signal generator 16, 17 for generating the drive signal PS on the basis of the signal generated by the operation unit 15.